

Bolshaw Animal Health

Poultry Care - Technical information

Health and Safety Summary

A full product safety data sheet can be found below; in summary Poultry Care can be defined as

Product name: Poultry Care

Other Names: Quicklime, Calcium Oxide, Burnt Lime.

Address/Telephone:

Bolshaw Animal Health, Harrop House, Rainow, Macclesfield, Cheshire SK10 5UU
01625 572416

In an Emergency: Dial 999

For specialist advice (transport emergency)

Tel: 00 44 (0)1625 572416

Composition/Information on Ingredients

Calcium Oxide CaO>97%. Small quantities of calcium carbonate, silica and oxides of magnesium, aluminium, iron and other trace elements.

Hazardous Ingredient – Calcium Oxide,
R38, R41. See detail under section15.

CAS No: - 1305-78-8

EINECS No: - 215-138-9

UN No: - 1910

Hazard Identification

Irritating to skin and eyes. Can cause burns in the presence of moisture. Risk of serious damage to eyes. Generates heat in the presence of water. It is advisable to ensure that eyewash facilities are available when Quicklime is handled.

First Aid Measures

Emergency First Aid Procedures

Skin – An irritant; may cause burns in the presence of moisture. Wash affected area immediately with plenty of water for at least 20 minutes. Remove contaminated clothing.

Eyes – Irrigate immediately with water for at least 20 minutes. Causes painful irritation and may cause serious eye damage.

SEEK MEDICAL ATTENTION – SPEED IS ESSENTIAL.

Inhalation - Irrigate nose and throat with water for at least 20 minutes. Irritating to the respiratory tract. May cause inflammation of the respiratory tract. Remove from exposure and keep warm and at rest. It is advisable to seek medical attention.

Ingestion - Unlikely to cause any reactions. Larger doses may irritate gastrointestinal tract. Do not induce vomiting. Wash mouth with water and drink copious quantities of water. Seek medical advice if necessary

Using Poultry Care

Dose: 500 g/ m²

Packaging: 25 kg bags (1000 kg per pallet)

Instructions for use:

Pre-wet ground as necessary

Sprinkle Poultry care at the above dosage rate of 500 g/ m². Leave to act for at least 24 hours before bringing in poultry. Make sure that the thermal reaction is finished; this can be tested by temperature probe or manually by hand. As a precaution the user may want to re-wet the ground to be certain the full reaction has taken place

Frequency:

Poultry Care is used externally during the normal sanitation cycle of the poultry production unit, that is to say when sanitisation of the building is carried out prior to housing a new flock.

For added peace of mind Poultry Care can also be used to sanitise poultry runs when the flock is in place given the above precautions, it is common to reapply if the ground becomes muddy or unstable and the drying effect of Poultry Care is required as well as additional sanitisation.

Poultry Care is perfectly safe and will not harm the birds if the above guidelines are followed.

Recommended Protective Equipment

Protective equipment must be worn whilst handling or applying Poultry Care, these must include:

- Dust mask.
- Nitrile impregnated gloves.
- Tight fitting goggles with side shields or wide vision full goggles.
- Clothing fully covering skin with close fittings at openings.
- Footwear resistant to caustics and avoiding dust penetration.

Bolshaw Animal Health

Poultry Care

Product Safety Data Sheet

Section 1 - Identification of Substance and Company

1.1 Product name: - Poultry Care

Other Names: - Quicklime, Calcium Oxide, Burnt Lime.

1.2 Address/Telephone:-

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01625 572416

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Section 2 - Composition/Information on Ingredients

2.1 Calcium Oxide CaO>97%. Small quantities of calcium carbonate, silica and oxides of magnesium, aluminium and iron and other trace elements.

Hazardous Ingredient – Calcium Oxide,
R38, R41. See detail under section15.

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Section 3 - Hazard Identification

- Irritating to skin and eyes.
- Can cause burns in the presence of moisture.
- Risk of serious damage to eyes.
- Generates heat in the presence of water.
- It is advisable to ensure that eyewash facilities are available when Quicklime is handled.

Section 4 - First Aid Measures

4.1 Emergency First Aid Procedures

- Skin – An irritant; may cause burns in the presence of moisture. Wash affected area immediately with plenty of water for at least 20 minutes.
- Remove contaminated clothing.
- Eyes – Irrigate immediately with water for at least 20 minutes. Causes painful irritation and may cause serious eye damage.

SEEK MEDICAL ATTENTION – SPEED IS ESSENTIAL.

- Inhalation - Irrigate nose and throat with water for at least 20 minutes. Irritating to the respiratory tract. May cause inflammation of the respiratory tract. Remove from exposure and keep warm and at rest. It is advisable to seek medical attention.

- Ingestion – Unlikely to cause any reactions. Larger doses may irritate gastrointestinal tract. Do not induce vomiting. Wash mouth with water and drink copious quantities of water. Seek medical advice if necessary.

4.2 Further medical Treatment.

- Symptomatic if necessary. No known delayed effects. Prolonged or repeated contact with skin may result in severe irritation or dermatitis. Prolonged or repeated inhalation of high dust concentrations may cause ulceration and perforation of the nasal septum and pneumonitis.

Section 5 - Fire Fighting Measures

5.1 Poultry Care is non-combustible and inhibits the spread of flame. No special fire fighting equipment is required. No extinguishing media or explosion hazard is identified. Substance reacts violently in the presence of water and generates heat. This may cause risk to flammable materials.

Section 6 - Accidental Release Measures

6.1 Steps to be taken in the event of spillage or release.

- Contain the spillage.
- Keep the material dry if possible.
- Use vacuum suction unit, or shovel into bags. (Use protective clothing – see section 8)
- Cover area if possible to avoid unnecessary dust hazard.
- Avoid contamination of watercourses and drains.
- Any spillage into watercourses must be alerted to the Environment Agency or other regulatory body.

Section 7 - Handling Ventilation and Storage

7.1 Handling

- Keep dust levels to a minimum. Avoid contact with skin and eyes.
- Avoid inhalation of high concentrations of dust. Use barrier cream if necessary.

7.2 Ventilation Requirements

- Ventilation equipment should be used in buildings to ensure dust levels are kept below OES.

7.3 Storage

- Store in a cool dry place free from draughts.
- Minimise contact with air and moisture.
- Poultry Care must not be allowed to come into contact with water nor stored in flammable structures. Keep separate from flammable materials and chemicals with which it might react.
- Bulk storage should be in purpose - designed bunkers or silos.
- Product in bags should be stored separately from flammable material.
- Storage should be in dry masonry or concrete buildings free from draughts.

Section 8 - Exposure Control/Personal Protection

8.1 Occupational exposure standard: - 2 mg/m³ (8 hr TWA).

8.2 Handling systems should preferably be enclosed or suitable ventilation installed to maintain atmospheric dust below OES. All ventilation systems should be filtered before discharge to atmosphere.

8.3 If the atmospheric dust exceeds occupational exposure standard, wear suitable personal protective equipment.

- Use approved dust respirators to EN 149 category FFP2, or air stream-helmet for heavy exposure.
- Long sleeved overalls, close fitting at openings.
- Boots that resist dust penetration.
- Rubber, leather, or fabric lined/impervious outer gloves provide suitable hand protection.
- Wide vision full goggles to BS 2092 grade 1 impact, with anti-mist for eye protection.

Section 9 - Physical & Chemical Properties

- Form – Solid of varying sizes. Lump, granular, or fine powder.
- Colour – White or off white.
- Odour – Faint earthy odour.
- pH – 12.4 (Aqueous solution approx. 2g/litre as Ca(OH)₂).
- Solubility in water – 1.33 g/litre at 100 C (Reacts with water to form Calcium Hydroxide).
- Vapour Pressure – 0 at 200C
- Specific Gravity – 3.4
- Melting Point – 25700 C.

Section 10 - Stability and Reactivity

10.1 Stable.

10.2 Conditions/Materials to avoid.

- Minimise exposure to air to avoid degradation.
- Reacts vigorously with strong acids.
- Attacks aluminium, lead and brass in the presence of moisture.
- Reacts violently with moisture, generating heat.

10.3 Hazardous composition products: - None.

Section 11 - Toxicological Information

11.1 Short term effects of over exposure.

- Skin Contact – Irritating to skin in the presence of moisture.
- May cause burns in the presence of moisture.
- Eye Contact – Can be a very painful irritant. May cause burns.
- Risk of severe and permanent damage to eyes.
- Inhalation – Irritant to the respiratory tract in high concentrations of dust. Gross inhalation may cause inflammation, ulceration, perforation of nasal septum and pneumonitis.
- Ingestion – May cause corrosion of and damage to gastrointestinal tract.

11.2 Long term effects of overexposure.

- Prolonged and repeated skin contact may cause and dermatitis.
- Prolonged and repeated inhalation of high concentrations may damage the respiratory tract.

Section 12 - Ecological Information

12.1 Ecotoxicity

- Poultry Care is considered to be non-toxic. LC50 aquatic toxicity values are >100 mg/l. High concentrations (> 100mg/l) may have a sterilising effect in sewage works.
- Product is extensively used in treatment of acid wastes and sewage sludge's.

12.2 Mobility

- Sparingly soluble in water as hydroxide to form alkaline solution.
- Low mobility in most ground conditions.

12.3 Persistence & Degradability

- Non biodegradable – reacts with moisture to form calcium hydroxide and reacts with atmospheric and dissolved carbon dioxide to form calcium carbonate (chalk).

12.4 Bioaccumulative Potential

- The product has no potential to accumulate in the food chain.

Section 13 - Disposal Considerations

13.1 Poultry Care can normally be disposed of only at licensed waste facilities. Disposal should be in accordance with local and national legislation. Contaminated packaging can be incinerated.

Section 14 - Transport Consideration

- Not classified as hazardous for transport.
- IMDG (Sea) Not Classified.
- ADR (Road) Not Classified.
- RID (Rail) Not Classified.
- IATA (Air) Class 8 Packing Group III.

Section 15 - Regulatory Information

15.1 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Statutory Instrument 2002 No.1689.

- Classification for Supply: - Irritant.
- Classification for Conveyance: - None.
- Risk phrases
 - R38 - Irritating to skin.
 - R41 - Risk of serious damage to eyes.
- Safety phrases
 - S2 – Keep out of the reach of children.
 - S22 - Do not breathe dust.
 - S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - S37 – Wear suitable gloves.
 - S39 - Wear eye/face protection.
- Occupational Exposure Limits 2002. HSE Guidance Note EH40/02. OES 2mg/m³ (8 hour TWA).
- Data sheet prepared in accordance with Directive 2001/58/EC.

Section 16 - Other Information

DEFRA Certification:

This disinfectant has been approved for use in England by the Secretary of State for Environment, Food and Rural Affairs as a disinfectant for the purposes of: General orders made under the Animal Health Act 1981.

This disinfectant has been approved for use in England by the Secretary of State for Environment, Food and Rural Affairs as a disinfectant for the purposes of: the Diseases of Poultry (England) Order 2003 and the Avian Influenza and Influenza of Avian Origin in Mammals (England) Order 2006.

Poultry Care is 'Sanniblanco D', distributed in association with manufacturer Lhoist.

PSD9

April 2007

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